

AD A126 592

DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR
FISCAL YEAR 1984 SU..(U) DEPUTY CHIEF OF STAFF FOR
RESEARCH DEVELOPMENT AND ACQUISITIO.. JAN 83

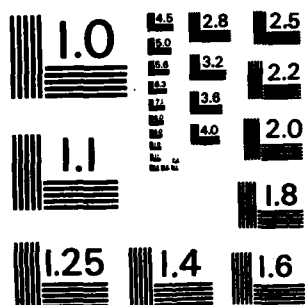
1/1

UNCLASSIFIED

F/O 15/5

NL

END
DATE
FILMED:
C 8 2
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

DA 126592

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. AD-A126592	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) (in 5 parts) Department of the Army Justification of Estimates for Fiscal Year 1984, Submitted to Congress January 1983, Procurement Programs, Aircraft, Missiles, Weapons & Tracked Cbt Veh., Ammunition & Other Procurement, Army		5. TYPE OF REPORT & PERIOD COVERED Army Procurement Budget Justification, FY 1984
7. AUTHOR(s) Department of the Army		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS HQDA, Office of the Deputy Chief of Staff for Research, Development, and Acquisition (DAMA-PPP-B) Washington, DC 20310		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS HQDA, Office of the Deputy Chief of Staff for Research, Development, and Acquisition (DAMA-AOA-S) Washington, DC 20310		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE January 1983
		13. NUMBER OF PAGES 249 (including all parts)
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Army Procurement Programs Budget Justification Book covering Aircraft, Missiles, Weapons and Tracked Combat Vehicles, Ammunition and Other Procurement, Army Appropriations programs submitted by the Army to Congress January 1983 for Fiscal Year 1984.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In justification of programs requested, this document, in separate volume for each of the five Procurement Appropriations, provides backup data for the Army Budget submission for FY 1984. Included are Summaries of Requirements, Program and Financing Statements and Selected Data Sheets. (These volumes are unclas- sified).		

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

Reproduction of this document in
whole or in part is prohibited
except with permission of the
issuing office.

DEPARTMENT OF THE ARMY
Office of the Deputy Chief of Staff
for
Research, Development, and Acquisition

1



Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A	

**JUSTIFICATION OF ESTIMATES
DISTRIBUTION**

	<u>Copies</u>		<u>Copies</u>		<u>Copies</u>
ASD(C) (3A862)	7	DAMI-CIS (2D485)	1	DAMA-CSM (3C444)	7
Special Projects (1)		DAMI-RMB (2E477)	1	(MC Liaison)	
Plans/Systems (1)		DAMO-ZF (3D526)	38	DAMA-PPC (3E443)	2
Construction (1)		APA/MIPA (4 ea)		DAMA-PP (3E374)	1
Procurement (2)		PWTCV/PAA (6 ea)		ACSC-RDD (3C363)	1
Special Assistant (1)		OPA (9)		Navy (4C640)	1
Dep Compt, P&B (1)		DALO-ZXA (3D576)	1	Air Force (4D126)	1
USDRE (3D139)	13	DALO-RMI (1E560)	1		
USD(Policy) (4E830)	1	DALO-SMD (1D567)	1	Director	1
ASD(MRA&L) (3D970)	2	DAEN-ZCP (1E685)	1	Defense Audit Service	
ASD(ISA) (4B856)	2	DAAR-COB (1E433)	1	ATTN: Mr. Steven Moberly	
OSD(PA&E) (2E313)	1	NGB-ARC-B (2E413)	1	11th Floor, Commonwealth Bldg	
ASD(HA) (3E346)	1	DASG-RMB (3D474)	1	1300 Wilson Boulevard	
ASD(LA) (3D918)	1	DASG-HCL (2E525)	1	Arlington, VA 22209	
ASD(POISA) (2C757)	2	OPA only			
ASD(C31) (3D238)	2	DAAA-PRP (1E461)	1	Center of Military History	1
JCS(J-5) (1C961)	1	DAMA-WS (3E448)	3	ATTN: DAMH-ZBB/Ms Mauck	
SAUS-OR (2E614)	1	APA/MIPA/PWTCV (1 ea)		Room 4227, Pulaski Bldg	
ASA(IL&FM) (3E573)	2	DAMA-WSA (3B454)	5	20 Massachusetts Avenue	
ASA(RD&A) (2E672)	1	APA only		Washington, DC 20314	
ASA(M&RA) (2E594)	1	DAMA-WSM (3B455)	6		
SALL (2C638)	24	MIPA only		Commander	2
DACA-BUL (3A652)	14	DAMA-WSW (3D455)	7	US Army Materiel & Readiness	
DACA-BUF (3B663)	10	PWTCV only		Command	
DACA-ZXA (2B664)	1	DAMA-CS (3E432)	2	ATTN: DRCSM-WRM	
DACA-CAW (2B685)	1	PAA/OPA (1 ea)		5001 Eisenhower Avenue	
DACS-DPZ (3C718)	5	DAMA-CSS (3D422)	4	Alexandria, VA 22333	
DACS-FM (1A871)	1	OPA only			
DACS-BMZ-A (AMC Bldg)	1	DAMA-CSC (3D433)	3	Commander	1
DACS-DMC (3D636)	1	OPA only		US Army Training & Doctrine Command	
DAAG-OPC (1D667)	1	DAMA-CSM (3C444)	10	ATTN: ATCD-EP	
		PAA only		Fort Monroe, VA 23651	

Number represents complete sets unless otherwise indicated. Please notify this office of any changes, additions, deletions to this distribution. (HQDA(DAMA-PPP-B), Washington, DC 20310).

DEPARTMENT OF THE ARMY
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1984, 1985

TABLE OF CONTENTS

Page No.

Section 1 - Budget Appendix Extract.....	3-1
Section 4 - Budget Activity Justification.....	3-10
Section 5 - Comparison of Program Requirements and Financing.....	3-25
Appendix - Consultants, Studies and Analyses, and Management Support Contracts...	3-32

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section I

Budget Appendix Extract

Language

Program And Financing Schedule

Object Classification Schedule

3-1 January 1983

APPROPRIATION LANGUAGE

For construction, procurement (including transfer of funds), production upgrade, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, without regard to section 4774, title 10, United States Code, for the foregoing purposes, and such lands and interest therein may be acquired and construction prosecuted thereon prior to approval of title as required by section 355, Revised Statutes, as amended; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes: (1)
(\$4,551,946,000 and in addition, \$198,200,000 of which \$67,000,000 shall be derived by transfer from "Procurement of Weapons and Tracked Combat Vehicles, Army, 1981/1983", and \$131,200,000 shall be derived by transfer from "Procurement of Weapons and Tracked Combat Vehicles, Army, 1982/1984"). \$4,934,416, to remain available for obligation until September 30, 1986. (10 U.S.C. 2353, 2361, 3012, 4531-32; Department of Defense Appropriation Act, 1983; additional authorizing legislation to be proposed.) (2)

EXPLANATION OF LANGUAGE CHANGES

- (1) To change the amount of appropriation for FY 1984.
- (2) To change the obligation expiration date for the FY 1984 program.

Army

Procurement of M&TCV, Army

31 JAN 83

Program and Financing (in thousands of dollars)		Summary					
Identification code	21-2030-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
1.	Tracked combat vehicles	3,078,840	3,907,848	4,034,420	3,031,718	3,828,264	3,988,838
2.	Weapons and other combat vehicles	667,188	791,000	898,988	601,188	794,237	842,787
	Total direct	3,746,028	4,698,848	4,933,418	3,632,907	4,619,501	4,831,625
	Reimbursable program	1,067,188	428,200	622,500	834,840	881,791	788,476
10.0001	Total	4,813,216	5,127,048	5,555,918	4,467,747	5,501,292	5,620,101
Financing:							
Offsetting collections from:							
11.0001	Federal funds	-187,019	64,000	-67,300	-184,248	-64,000	-67,300
12.0001	Trust funds	-947,958	-364,200	-768,000	-874,683	-364,200	-768,000
14.0001	Non-federal sources	-188			-177		
17.0001	Recovery of prior year obligations(-)				-234,484		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-883,418	-1,088,618	-1,088,618
21.4002	Available to finance new budget plans		-201,200			-201,200	
21.4003	Reprogramming from or to prior year budget plans	-180,614	7,300				
22.4001	Unobligated balance transferred from other accounts(-)		-208,600			-208,600	
22.4001	Unobligated balance transferred to other accounts		201,200			201,200	
	Unobligated balance available, end of year:						
24.4001	For completion of prior year budget plans				1,088,618	1,048,927	1,170,888
24.4002	Available to finance subsequent year budget plans	201,200			201,200		
25.0001	Unobligated balance lapsing	68,514	188,600		68,514	188,600	
26.0001	Budget authority	3,608,100	4,688,848	4,934,418	3,608,100	4,688,848	4,934,418
Budget authority:							
49.0001	Appropriation	3,608,200	4,681,948	4,934,418	3,608,200	4,681,948	4,934,418
49.0002	Reduction pursuant to P.L. 97-277		-37,100			-37,100	
41.0001	Transferred to other accounts(-)	-20,100	-14,500		-20,100	-14,500	
49.0001	Appropriation (adjusted)	3,608,100	4,600,948	4,934,418	3,608,100	4,600,948	4,934,418
50.0001	Reappropriation		188,200			188,200	
Relation of obligations to outlays:							
71.0001	Obligations incurred, net				3,608,638	4,783,132	4,812,778
72.0001	Obligated balance, start of year				3,843,286	4,670,284	5,080,618
74.0001	Obligated balance, end of year				-4,670,284	-5,080,618	-5,080,618
77.0001	Adjustments in expired accounts				-8,500		
78.0001	Adjustments in unexpired accounts				-234,484		
80.0001	Outlays				2,145,886	3,882,600	4,108,600

3-3 January 1983

Army

Procurement of W&TCV, Army

31 Jan 83

Object Classification (in thousands of dollars)

Summary

Identification code	21-2033-0-1-061	1982 actual	1983 est.	1984 est.
Direct obligations:				
Other services:				
125.004	Other	761,847	1,106,138	1,075,267
126.001	Supplies and materials	619,441	754,184	733,149
131.001	Equipment	2,361,618	2,758,279	3,031,166
199.001	Total direct obligations	3,632,907	4,619,601	4,839,602
Reimbursable obligations:				
Other services:				
225.004	Other	191,478	179,543	166,430
226.001	Supplies and materials	130,563	122,418	127,112
231.001	Equipment	812,808	206,772	481,934
299.001	Total reimbursable obligations	1,134,849	508,733	775,476
999.001	Total obligations	4,667,747	5,181,332	5,635,078

3-4 January 1983

Army

Procurement of MATCV, Army

31 Jan 83

Program and Financing (in thousands of dollars)		1980 Fiscal year program					
		Budget plan (amounts for procurement actions programmed)			Obligations		
Identification code	21-2033-0-1-001	1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tracked combat vehicles				115,421		
	2. Weapons and other combat vehicles				14,849		
	Total direct				130,264		
	Reimbursable program				30,530		
10.0001	Total				160,794		
Financing:							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund order				828		
13.0001	Adjustment to prior year trust fund orders				49,818		
17.0001	Recovery of prior year obligations(-)				-68,309		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-222,640		
21.4002	Reprogramming from or to prior year budget plan	-66,514				66,514	
25.0001	Unobligated balance lapsing						
40.0001	Budget authority						

3-5 January 1983

Army

Procurement of M&TCV, Army

31 Jan 83

Program and Financing (in thousands of dollars)				1981 Fiscal		program	
Identification code	21-2033-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	84 est.
Program by activities:							
Direct:							
	1. Tracked combat vehicles				308,081	230,834	
	2. Weapons and other combat vehicles				18,238	88,678	
	Total direct				326,320	319,513	
	Reimbursable program				53,778	67,884	
10.0001	Total				380,107	387,397	
Financing:							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund order				1,846		
12.0001	Adjustment to prior year trust fund orders				23,088		
14.0001	Adjustment to non-federal sources				8		
17.0001	Recovery of prior year obligations(-)				-169,148		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-820,778	-315,787	
21.4002	Available to finance new budget plans		-67,000			-67,000	
21.4003	Reprogramming from or to prior year budget plan	-67,000					
23.4001	Unobligated balance transferred to other accounts		67,000			67,000	
	Unobligated balance available, end of year:						
24.4001	For completion of prior year budget plans				315,787		
24.4002	Available to finance subsequent year budget plans		67,000		67,000		
40.0001	Budget authority						

3-6 January 1983

Army

Procurement of WATCV, Army

31 Jan 83

Program and Financing (in thousands of dollars)		1982 Fiscal year program					
Identification code	21-2033-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tracked combat vehicles	3,078,540			2,807,206	288,789	181,844
	2. Weapons and other combat vehicles	667,165			667,108	48,345	84,715
	Total direct	3,745,605			3,474,314	338,134	266,559
	Reimbursable program	1,067,165			850,632	149,411	87,212
10.0001	Total	4,812,770			4,324,946	487,545	353,771
Financing:							
Offsetting collections from:							
11.0001	Federal funds	-187,018			-187,018		
13.0001	Trust funds	-847,858			-847,858		
14.0001	Non-Federal sources	-185			-185		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans					-780,818	-303,571
21.4002	Available to finance new budget plans		-134,200			-134,200	
21.4003	Reprogramming from or to prior year budget plan	-7,300	7,300				
22.4001	Unobligated balance transferred from other accounts(-)		-7,300			-7,300	
23.4001	Unobligated balance transferred to other accounts		134,200			134,200	
	Unobligated balance available, end of year:						
24.4001	For completion of prior year budget plans				780,818	303,571	
24.4002	Available to finance subsequent year budget plans	134,200			134,200		
30.0001	Budget authority	3,806,100			3,806,100		
Budget authority:							
40.0001	Appropriation	3,825,200			3,825,200		
41.0001	Transferred to other accounts(-)	-20,100			-20,100		
49.0001	Appropriation (adjusted)	3,805,100			3,805,100		

3-7 January 1983

Army

Procurement of M5TCV, Army

31 Jan 83

Program and Financing (in thousands of dollars)

1983 Fiscal year program

Identification code	21-2033-0-1-061	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
1.	Tracked combat vehicles		3,907,548			3,304,941	330,340
2.	Weapons and other combat vehicles		791,000			722,019	21,485
	Total direct		4,698,548			4,026,960	351,825
	Reimbursable program		426,200			384,338	70,424
10.0001	Total		5,124,748			4,411,298	422,249
Financing:							
Offsetting collections from:							
11.0001	Federal funds		-84,000			-84,000	
13.0001	Trust funds		-384,200			-384,200	
21.4001	Unobligated balance available, start of year						-748,786
22.4001	Unobligated balance transferred from other accounts(-)		-196,200			-196,200	
24.4001	Unobligated balance available, end of year					748,786	329,497
25.0001	Unobligated balance lapsing		196,200			196,200	
30.0001	Budget authority		4,698,548			4,698,548	
Budget authority:							
40.0001	Appropriation		4,561,948			4,561,948	
40.0002	Reduction pursuant to P.L. 97-377		-37,100			-37,100	
41.0001	Transferred to other accounts(-)		-14,500			-14,500	
43.0001	Appropriation (adjusted)		4,500,348			4,500,348	
50.0001	Reappropriation		196,200			196,200	

3-8 January 1983

Army

Procurement of WATCV, Army

31 Jan 83

Program and Financing (in thousands of dollars)

1984 Fiscal year program

Identification code	21-2033-0-1-051	Budget plan (amounts for procurement actions programed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tracked combat vehicles			4,034,420			3,484,851
	2. Weapons and other combat vehicles			889,996			786,567
	Total direct			4,924,416			4,271,418
	Reimbursable program			822,300			687,840
10.0001	Total			5,746,716			4,959,258
Financing:							
Offsetting collections from:							
11.0001	Federal funds			-67,900			-67,900
12.0001	Trust funds			-756,000			-756,000
24.0001	Unobligated balance available, end of year						847,466
40.0001	Budget authority			4,924,416			4,924,416

3-9 January 1983

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 4

Budget Activity Justification

Activity 1 - Tracked Combat Vehicles

Activity 2 - Weapons and Other Combat Vehicles

3-10 January 1983

Department of the Army Annual Budget Estimate	Appropriation PROCUREMENT OF WEAPONS & TRACKED COMBAT Vehicles, Army			FY 1984 Budget
JUSTIFICATION	(Thousands of Dollars)			
Program or Budget Project Account	Actual	Estimate	Estimate	Estimate
Activity 1 - Tracked Combat Vehicles	FY 1982	FY 1983	FY 1984	FY 1985
Direct Obligation or Direct Budget Plan	\$3,078,640	\$3,907,546	\$4,034,420	\$4,635,600

Section 1 - PURPOSE AND SCOPE

Provide for procurement of tracked combat vehicles including M1 tanks; Bradley Fighting Vehicle System; training equipment; and associated equipment. The request also provides for modification kits, major assembly repair parts (including initial provisioning), related production base support and depot maintenance plant equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tracked Combat Vehicles - The requested funding level provides for the procurement of the following tracked combat vehicles to improve near term readiness and to meet modernization goals: M1 Abrams Tank, Bradley Fighting Vehicle System, Field Artillery Ammunition Support Vehicle (FAASV), M88A1 recovery vehicle, Light Armored Vehicle (LAV-25), M577A2 Command Post Vehicle and M113A2 Armored Personnel Carrier. To further improve and enhance Army material readiness of high priority combat vehicles, funds are requested for the following modification programs: Upgrade of the current fleet of M113 family of carriers, enhancement of the M109 self-propelled howitzers; Fire Support Team Vehicle (FISTV) and upgrade of all M60A1 tanks to M60A3 (TTS) configuration. Each of the major items included in this request is discussed below:

Carrier, Command Post, Light, FT, M577A2 (P-1 Line Item No. 1):

(\$ In Thousands)

FY 1984	FY 1985
\$130,000	-0-

These funds are requested for procurement of 652 M577A2 Command Post Carriers. The M577A2 provides mobility and light armor protection for field commanders. It functions as transporter and working shelter for command posts, field operation centers, and fire direction centers. Carriers are needed to fill significant shortages in the Army fleet and to provide equipment needed for fielding the Multiple Launch Rocket System (MLRS) and for reorganization of the field artillery into 3 x 8 battalions.

3-11 January 1983

Carrier, Personnel, FT, Armored M113A2 (P-1 Line Item No. 2):

(\$ In Thousands)

FY 1984
\$73,200

FY 1985
-0-

These funds are requested to purchase 400 M113A2 Armored Personnel Carriers. The M113A2 Personnel Carrier is a versatile, light armored, full-tracked, amphibious chassis that can be configured in a variety of ways to serve as a troop carrier, maintenance vehicle, medical evacuation vehicle and as a carrier/transporter for other purposes. With the addition of the TOW weapon station it becomes a dedicated heavy antitank vehicle known as the Improved TOW Vehicle (ITV). Using the same cupola and hammerhead design, the Ground Laser Locator Designator (GLLD) and necessary communication equipment can be added to convert the vehicle to the Fire Support Team Vehicle (FISTV).

Bradley Fighting Vehicles (MYP) (P-1 Line Item No. 3):

(\$ In Thousands)

FY 1984
\$766,000

FY 1985
\$958,500

These funds are requested for procurement of 600 Infantry and Cavalry Fighting Vehicles (IFV/CFV) in FY84 and 830 IFV/CFV's in FY85. The IFV/CFV is designed to be compatible with the new M1 main battle tank and provide improved firepower, cross-country mobility, and ballistic protection to infantry squads and cavalry sections. The armament is designed to engage an array of enemy targets and will include a two-man turret employing a 25mm automatic cannon, the TOW antitank guided missile system, and a 7.62mm coaxial machine gun, all utilizing an integrated day/night thermal sight. Using the organic 5.56mm firing port weapon, the mounted infantry in the IFV will be able to deliver suppressive fires around the vehicle. Interior configuration varies in the CFV to allow for differences in crew size and stowage requirements.

Advance Procurement-Bradley Fighting Vehicles (MYP) (P-1 Line Item No. 4):

(\$ in Thousands)

FY 1984
\$29,800

FY 1985
\$93,200

These funds are requested for procurement of long-lead manufacturing items and components to support the FY85 production of 830 Infantry and Cavalry Fighting Vehicles and 1080 vehicles in FY86.

3-12 January 1983

Bradley Fighting Vehicle Training Devices (P-1 Line Item No. 5):

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
<u>\$60,800</u>	<u>\$96,300</u>

These funds are requested for procurement of Unit and Institutional Conduct of Fire Trainers for gunner sustainment training at unit level (U-COFT) and initial skill training at the training centers (I-COFT). These devices employ a Bradley gunner station mock-up and computer simulations to produce a wide variety of highly realistic battle scenarios. Although not a total substitute for actual firing, the Conduct of Fire Trainers will assist in acquiring and sustaining basic gunnery skills with substantial reductions in time, range usage, ammunition, and attendant costs. Funds requested will also provide the Army's total requirement for the Turret Maintenance Trainer to provide initial fault isolation and repair procedures training for Bradley automotive and turret mechanics.

Field Artillery Ammunition Support Vehicle (FAASV) (P-1 Line Item No. 6):

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
<u>\$103,400</u>	<u>\$140,100</u>

These funds are requested to continue procurement of the Field Artillery Ammunition Support Vehicle (FAASV) for deployment in M109 155mm and M110 8" Self-Propelled Howitzer Battalions in Europe. The FY84 funds will procure 217 FAASV's and the FY85 funds will procure 274 FAASV's. With the 54 FAASV's procured in FY83, this will provide 545 of the total planned procurement of 1464.

Howitzer, Med, SP, FT, 155mm, M109A2 (P-1 Line Item No. 7):

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
<u>\$82,100</u>	<u>\$56,000</u>

These funds are requested to procure 112 M109A2's in FY84 and 70 M109A2's in FY85. This is a continued procurement of the M109A2 Howitzer which is a product-improved version of the basic M109 self-propelled 155mm Howitzer that was fielded in 1963. The gun howitzer assembly is mounted on a fully-tracked chassis which is propelled by a 405 hp diesel engine. The howitzer can fire to a range of 24 km with rocket-assisted projectiles and is capable of delivering a nuclear round. The M109A2 provides close indirect fire support for maneuver elements of heavy brigades/divisions.

3-13 January 1983

Recovery Vehicle, Medium, FT, M88A1 (P-1 Line Item No. 8):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$142,300	\$166,500

These funds are requested for procurement of 180 M88A1's in FY84 and 199 in FY85 to meet the needs of armor units for required tank recovery capability.

Tank, Combat, FT, 105mm Gun, M1 Abrams (MYP) (P-1 Line Item No. 9):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$1,361,200	\$1,491,000

These funds are requested to procure 720 M1 tanks in FY84 and 720 M1 tanks in FY85. The M1 Tank will replace the M60 series tank in selected units. It has significantly improved survivability over current tanks providing better armor protection and compartmentalization of ammunition and fuel. Its 1500 hp turbine engine and improved suspension system provide unprecedented mobility and stability as a weapons platform. The M1 counters the enemy threat now and has growth potential to be effective well into the 1990's.

Advance Procurement, Tank, Combat, M1 Abrams (MYP) (P-1 Line Item No. 10):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$251,100	\$268,700

These funds are requested for procurement of long-lead manufacturing items, components, and government-furnished equipment to support the FY85 and FY86 production of M1 tanks.

Training Equipment for M60A3 Tank (P-1 Line Item No. 11):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$12,200	\$11,200

These funds are requested for procurement of Unit Conduct of Fire Trainers for gunner sustainment training at unit level (U-COFT). These devices employ an M60A3 gunner station mock-up and computer simulations to produce a wide variety of highly realistic battle scenarios. Although not a total substitute for actual firing, the Conduct of Fire Trainers will assist in acquiring and sustaining basic gunnery skills with substantial reductions in time, range usage, ammunition, and attendant costs.

3-14 January 1983

M1 Series, Tank Training Devices (P-1 Line Item No. 12):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$31,600	\$33,100

These funds are requested for procurement of Unit and Institutional Conduct of Fire Trainers for gunner sustainment training at unit level (U-COFT) and initial skill training at the training centers (I-COFT). These devices employ an M1 gunner station mock-up and computer simulations to produce a wide variety of highly realistic battle scenarios. Although not a total substitute for actual firing, the conduct of fire trainers will assist in acquiring and sustaining basic gunnery skills with substantial reductions in time, range usage, ammunition, and attendant costs. Funds requested will also provide the Army's total requirement for the Turret Maintenance Trainer to provide initial fault isolation and repair procedures training for M1 turret mechanics.

Light Armored Vehicle (LAV-25) (P-1 Line Item No. 13):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$132,400	\$205,500

These funds are requested to procure 176 Light Armored Vehicles equipped with the M242 25mm cannon (LAV-25) in FY84 and 257 LAV-25's in FY85. FY84 is the third year of a five-year multiyear buy of LAV-25's to provide the light divisions with a lightweight, assault capable, direct fire support weapons systems.

Light Armored Recovery Vehicle (LARV) (P-1 Line Item No. 14):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
-0-	\$12,300

This vehicle will be a variant of the light armored vehicle family of vehicles. Using the basic chassis, it will be equipped with a winch, lifting boom, and carry accessories for field maintenance support (e.g. mechanics tool set, tow bar and work bench). Funds are projected for procurement of 24 vehicles in FY85, the first Army procurement of the vehicle, on a joint service multiyear procurement.

3-15 January 1983

Carrier, Modification (MOD): (P-1 Line Item No. 15):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$46,600	\$35,400

These funds are requested for design engineering, testing, and kit hardware necessary to modify and upgrade the M113A1 carrier fleet. Funds requested in FY 1984 will buy kits for conversion of M113A1's to A2's, cargo body upgrade kits for the M548 Cargo Carrier, Simplified Test Equipment-Internal Combustion Engine (STE-ICE) adaption kits, and smoke grenade launcher adaption kits.

Fire Support Team Vehicle (FISTV) (MOD): (P-1 Line Item No. 17):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$106,100	\$186,400

The funds are requested to procure modification kits in FY 1984 and FY 1985. These kits will be used to convert M113 carriers to FISTV. The FISTV will provide increased capability to the Fire Support Team in target location, accuracy, survivability, mobility, integration of fires and responsiveness. The FISTV will be a totally integrated system platform which will provide under-armor protection for the Ground Laser Locator Designator (GLLD) and will provide the fire support team with the capability of successfully coordinating all indirect fires to include laser guided munitions in support of the maneuver forces.

Bradley Fighting Vehicle System (MOD) Retrofit (P-1 Line Item No. 18):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
-0-	\$6,800

These funds are projected to initiate production integration of BFVS Preplanned Product Improvements (P³I). Initial funding will apply the IFV tenth seat, the ventilated face piece, and completed portions of the energy hardening modifications.

Howitzer, Medium, SP, 155mm, M109 Series (MOD) (P-1 Line Item No. 19):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$6,000	\$29,600

FY84 funds are requested to continue the engineering effort on the Howitzer Extended Life Program (HELP) which is designed to improve the readiness and survivability of M109 series howitzers. The modification will consist of reliability, maintainability, survivability and NBC protection kits. The FY85 funds are to be used to procure the first HELP modification kits.

3-16 January 1983

Howitzer, Heavy, SP, FT, 8-Inch, M110 Series (MOD): P-1 Line Item No. 20):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$6,100	\$8,800

These funds are requested for procurement of gun tube liners and modifications kits to mount the battery computer system hardware. These funds will also be used for development of a crew ballistic protection shelter for protection of the crew during firing.

Armored Vehicle Launched Bridge (AVLB) (MOD) (P-1 Line Item No. 21):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$25,600	\$53,900

These funds are requested for procurement of modification kits to convert M60A2 tank chassis to M60A1 AVLB chassis and to procure Class 60 Armored Vehicle Launched Bridges.

Tank, Combat, FT, 105mm Gun, M60 Series (MOD) (MYP) (P-1 Line Item No. 22):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$189,100	\$204,000

These funds are requested to procure modification kits to convert M60A1 tanks to M60A3's which utilize a solid state ballistic computer, laser range finder and Tank Thermal Sight to maximize effectiveness of the system for both day and night operations. This includes a planned procurement of 960 Tank Thermal Sights in FY84 and 960 in FY85 to execute the second and third year program buy of a proposed multiyear procurement.

Adv. Proc., Tank, CBT, FT, 105mm, M60 SER (MOD) (MYP) (P-1 Line Item No. 23):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$6,000	-0-

These funds are requested for procurement of long lead materials and fire control components to support the second through fifth years' procurement of Tank Thermal Sights (TTS).

3-17 January 1983

Spares and Repair Parts (P-1 Line Item No. 24):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$406,300	\$491,400

These funds are requested for procurement of initial and replenishment spares and repair parts related to tracked combat vehicles.

Value Engineering (P-1 Line Item No. 25):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
-0-	\$1,000

These funds are requested for implementing an Army wide Value Engineering program to promote efficiencies, economies and management improvements.

Items Less Than \$900,000 (P-1 Line Item No. 26):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
\$900	\$900

These funds are requested for procurement of maintenance and repair equipment for tracked combat vehicles. Equipment to be procured includes shop sets and tool kits.

3-18 January 1983

Production Base Support (P-1 Line Item No. 27):

(\$ In Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
<u>\$65,600</u>	<u>\$85,000</u>

Funds for FY84 are requested for production base support. Specifically, funding is requested for the following programs: expansion of Mainz Army Depot Complex to provide additional space required to meet the increased workload resulting from the planned fielding of new weapon systems such as the M1 Abrams Tank, the BFVS and the DIVAD Gun System; 120mm Gun product improvement program facilitization for the M1 Abrams Tank; production support and equipment replacement projects at Aberdeen Proving Ground, Yuma Proving Ground, Detroit Army Tank Plant, Lima Army Tank Plant, and Stratford Army Engine Plant; concept and final design for future construction projects at Detroit and Lima Army Tank Plants. The request also includes funds for Depot Maintenance Plant Equipment (DMPE) used to repair and overhaul tracked combat vehicles; layaway of equipment excess to production; various Manufacturing Methods and Technology (MM&T) projects.

Funds for FY85 are requested for production base support. Specifically, funding is requested for the continuation of the effort to expand the Mainz Army Depot Complex, including DMPE to provide additional space and facilities required to meet the increased workload resulting from the planned fielding of new weapon systems such as the M1 Abrams Tank and the Bradley Fighting Vehicle System (BFVS); production support and equipment replacement projects at Aberdeen Proving Ground, Yuma Proving Ground, Detroit Army Tank Plant and Stratford Army Engine Plant; layaway of facilities used in the production of the M60 tank; DMPE required to repair and overhaul fire control components for the 120mm tank gun at Anniston and Sacramento Army Depots and DMPE required to support the fielding of the Light Armored Vehicle (LAV-25). The request also includes funds for MM&T projects to translate new technology into practical production processes.

3-19 January 1983

Department of the Army	Appropriation			FY 1984
Annual Budget Estimate JUSTIFICATION	PROCUREMENT OF WEAPONS & TRACKED Combat Vehicles, Army			Budget
Program or Budget Project Account	(Thousands of Dollars)			
Activity 2 - Weapons and Other Combat Vehicles	Actual	Estimate	Estimate	Estimate
	FY 1982	FY 1983	FY 1984	FY 1985
Direct Obligation or Direct Budget Plan	\$667,168	\$791,000	\$899,996	\$990,700

Section 1 - PURPOSE AND SCOPE

Provides for procurement of weapons and other combat vehicles including air defense weapons, mortars, machine guns, and associated equipment. The request also provides for modification kits, procurement of depot repairable major assembly repair parts (including initial provisioning), related production base support, and depot maintenance plant equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Weapons and Other Combat Vehicles - The requested funding level provides for continued procurement of the Vehicle Rapid Fire Weapon System (VRFWS) weapons, M240 machine gun and smoke grenade launcher. Funding is also requested for the procurement of the Sgt York Division Air Defense (DIVAD) gun system, Sgt York DIVAD advance procurement, 9mm personal defense weapon, XM252 81mm mortar, Squad Automatic Weapon (SAW) and the Product Improved VULCAN Air Defense Systems (PIVADS). Each of the items included in this request is discussed below:

Sgt York (DIVAD) Gun (P-1 Line Item No. 28):

(\$ In Thousands)	
FY 1984	FY 1985
\$341,500	\$499,200

These funds are requested for procurement of 130 DIVAD guns in FY84 and 132 guns in FY85. This system will provide air defense for divisional maneuver elements against attack by armed helicopters and high performance fixed-wing aircraft.

3-20 January 1983

Advance Procurement, Sgt York DIVAD Gun (P-1 Line Item No. 29):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$38,700	\$43,300

These funds are requested for the procurement of long lead manufacturing items and components to support the FY85 production of 132 DIVAD guns and 144 DIVAD Guns in FY86.

Product Improved Vulcan Air Defense System (PIVADS) (P-1 Line Item No. 30):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$9,300	\$33,700

These funds are requested for product improvements to the Vulcan Air Defense Gun. These improvements are designed to upgrade reliability, operability and maintainability. The towed version of the Vulcan will serve as an interim lightweight air defense system, while the self-propelled configuration is scheduled to be furnished to National Guard and Reserve units when it is no longer needed with active forces after replacement by the Sergeant York DIVAD Gun.

Howitzer, Medium, Towed, 155mm, M198, (P-1 Line Item No. 31):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
-0-	\$31,800

These funds are projected for procurement of 53 M198's in FY85. The M198 is capable of firing 30 km using the rocket-assisted projectile. It can be airlifted by the CH47C and CH47D helicopters and by C130 or larger fixed-wing aircraft. The M198 provides significant improvements over the current 155mm howitzer, M114A1, in range, reliability, maintainability and availability. The US Marine Corps is also procuring the M198.

Machine Gun, 7.62mm M60 (P-1 Line Item No. 32):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$1,100	-0-

These funds are requested for procurement of 368 machine guns in FY84 as part of a host nation support program with the Federal Republic of Germany.

3-21 January 1983

Armor Machine Gun, 7.62mm, M240 (P-1 Line Item No. 33):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$11,600	\$25,800

These funds are requested for procurement of 2250 machine guns in FY84 and 4800 machine guns in FY85. The FY84 request will continue the five-year multiyear procurement from a continental United States (CONUS) producer. The M240 replaces the M219 armor machine gun and provides significantly improved reliability.

Squad Automatic Weapon (SAW) (P-1 Line Item No. 35):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$6,700	\$13,100

These funds are requested for the procurement of 2000 Squad Automatic Weapons in FY84 and 5457 in FY85. This lightweight highly mobile machine gun delivers a high rate of sustained fire and increased range which will greatly enhance the effectiveness of the infantry rifle squad.

MK19-3 40mm Automatic Grenade Launcher (P-1 Line Item No. 36):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$2,500	\$13,600

These funds are requested for procurement of 72 launchers in FY84 and 340 launchers in FY85. The MK19-3 will deliver accurate, intense, decisive firepower against enemy personnel and light armored vehicles to a maximum effective range of 1600 meters.

Launcher, Smoke Grenade (P-1 Line Item No. 37):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$3,000	\$3,500

These funds are requested to continue procurement of protective smoke systems for combat vehicles. The launcher provides near instantaneous smoke protection and is a defensive aid against antitank missiles.

3-22 January 1983

Mortar, I-81mm, XM252 (P-1 Line Item No. 39):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$1,700	\$39,300

These funds are requested to procure 30 XM252 81mm mortars in FY84 and 1097 in FY85. The XM252 will provide an improved 81mm mortar for organic indirect fire support within the maneuver battalion. The system is composed of both United Kingdom and U.S. produced components.

9mm Personal Defense Weapon (PDW) (P-1 Line Item No. 40):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$3,900	\$6,800

These funds are requested for procurement of 11,500 9mm handguns in FY84 and 20,000 9mm handguns in FY85. FY84 is the first year of a ten year Army procurement of new 9mm handguns to standardize the inventory and replace the M1911A caliber .45 handguns and caliber .38 revolvers. Adoption of the 9mm handgun will also enhance NATO RSI efforts to standardize all of NATO.

Vehicle Rapid Fire Weapons System (VRFWS) (P-1 Line Item No. 41):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$42,100	\$50,500

These funds are requested for the procurement of 630 25mm VRFWS weapons in FY84 and 870 VRFWS's in FY85. This weapon system is the primary armament for the Bradley Fighting Vehicle.

M26 Tank Muzzle Boresight Device (P-1 Line Item No. 43):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$4,400	\$4,600

These funds are projected for procurement of 1750 M26's in FY84 and 1750 M26's in FY85. The M26 is an optical device and a non-development item which fits into the main gun tube of all Army tanks (M48A5, M60 Series and M1) and allows an accurate boresight to be obtained without firing rounds. The use of this device will improve tank unit readiness and many rounds of ammunition will be saved.

3-23 January 1983

Modification Under \$900,000 (P-1 Line Item No. 45):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$900	\$1,000

These funds are requested for minor modification of weapons and other combat vehicles.

Spares and Repair Parts (P-1 Line Item No. 46):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$118,900	\$115,600

These funds are requested for procurement of initial and replenishment spares and repair parts related to weapons and other combat vehicles.

Item Less Than \$900,000 (P-1 Line Item No. 47):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$2,500	\$2,800

These funds are requested for procurement of shop sets and tool sets for maintenance and repair of weapons and other combat vehicles.

Production Base Support (P-1 Line Item No. 48):

(\$ In Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
\$111,200	\$106,100

Funds for FY84 are requested for production base support. Specifically, funding is requested to rehabilitate and to provide plant equipment for current and mobilization production including the renovation of armament manufacturing (REARM) at Watervliet and Rock Island Arsenals; for layaway of industrial plant equipment excess to production requirements; for Depot Maintenance Plant Equipment (DMPE) to establish repair and overhaul capability for the Sgt York DIVAD Gun system; and for various Manufacturing Methods and Technology projects (MM&T). Value Engineering projects resulted in avoidance savings of \$610 thousands which demonstrate how much higher the Army's budget plan would have been without this Economies, Efficiencies and Management Improvement action.

Funds for FY85 are requested for production base support. Funding is requested for continuation of efforts to provide additional facilities at Mainz Army Depot; plant equipment packages required in the event of mobilization, annual support for Ethan Allen Firing Range; layaway/redistribution of plant equipment at Watervliet and Rock Island Arsenals, and in support of MM&T to translate new technology into practical production processes.

3-24 January 1983

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 5

Comparison of Program Requirements and Financing

Comparison of FY 1982 program requirements as reflected in FY 1983 budget with FY 1982 program requirements as shown in the FY 1984 budget.

Comparison of FY 1982 financing as reflected in FY 1983 budget with FY 1982 financing as shown in FY 1984 budget.

Comparison of FY 1983 program requirements as reflected in FY 1983 budget with FY 1983 program requirements as shown in FY 1984 budget.

Comparison of FY 1983 financing as reflected in FY 1983 budget with FY 1983 financing as shown in FY 1984 budget.

3-25 January 1983

COMPARISON OF FY 1983 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1983 BUDGET WITH
FY 1983 PROGRAM REQUIREMENTS AS SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation:	Total Program Requirements	Program Requirements	Increase (+)
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	Per FY 83 Budget	Per FY 1984 Budget	or Decrease (-)
Activity 1 - Tracked Combat Vehicles.....	4,200,739	3,907,546	-293,193
Activity 2 - Weapons and Tracked Combat Vehicles..	829,946	791,000	- 38,946
	<u>5,030,685</u>	<u>4,698,546</u>	<u>- 332,139</u>

Explanation By Activity

Activity 1 - Tracked Combat Vehicles A net decrease of \$293.2 million resulted from Congressional adjustments, a \$41.7 million transfer from Activity 1 to Activity 2 for REARM, and a \$4.4 million transfer from Activity 1 to Activity 2 for the M26 Muzzle Boresight Device.

<u>Item</u>	<u>Net Change (in thousands)</u>
M577A2 Command Post Vehicle.....	- 23,500
M113A2 Armored Personnel Carrier.....	- 1,100
Bradley Fighting Vehicle System (BFVS).....	- 19,200
Field Artillery Ammunition Support Vehicle (FAASV).....	- 76,700
M88A1 Recovery Vehicle.....	- 17,400
Tank, Combat, FT, 105mm Gun M1.....	+ 83,200
Tank, Combat, FT, 105mm Gun M1 Advanced Procurement.....	- 51,400
Light Armored Squad Carrier.....	- 51,700
Light Armored Vehicle (LAV-25).....	- 26,900
Light Armored Recovery Vehicle (LARV).....	- 7,700
Carrier MOD Roll.....	- 13,800
Improved TOW Vehicle (MOD).....	- 21,900
Fire Support Team Vehicle (MOD).....	- 23,800

3-26 January 1983

**COMPARISON OF FY 1983 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1983 BUDGET WITH
FY 1983 PROGRAM REQUIREMENTS AS SHOWN IN FY 1984 BUDGET**

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation:	Total Program		Increase (+)
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	Requirements	Program Requirements	or
	Per FY 83 Budget	Per FY 1984 Budget	Decrease (-)

Item

Net Change (In thousands)

M110 8" S.P. Howitzer (MOD).....	- 9,500
Spares and Repair Parts (TCV).....	- 7,600
Production Base Support (TCV).....	- 24,193
Total Net Change	- 293,193

Activity 2 - Weapons and Other Combat Vehicles: A net decrease of \$38.9 million resulted from Congressional adjustments.

Item

Net Change (In thousands)

SGT York DIVAD Gun.....	- 50,000
SGT York DIVAD Gun Advance Procurement.....	- 5,586
Squad Automatic Weapon (SAW).....	- 1,100
I-81mm Mortar, XM252.....	- 10,610
9mm Personnel Defense Weapon (PDW).....	- 4,400
Magnetic Heading Set (MHS).....	- 3,700
Magnetic Heading Set Gyro Group.....	- 1,500
Production Base Support.....	+ 33,550
M26 Tank Muzzle Boresight Device.....	+ 4,400
Total Net Change	- 38,946

3-27 January 1983

COMPARISON OF FY 1983 FINANCING AS REFLECTED
IN THE FY 1983 BUDGET WITH FY 1983 FINANCING
AS SHOWN IN FY 1984 BUDGET

(In Thousands of Dollars)			
Appropriation:	Financing Per FY 1983 Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
Procurement of Weapons & Tracked Combat Vehicles			
Program Requirements, (Total).....	\$5,641,785	\$5,126,746	\$-515,039
Program Requirements (Service Account).....	(5,030,685)	(4,698,546)	(-332,139)
Program Requirements (Reimbursable).....	(611,100)	(428,200)	(-182,900)
Less:			
Anticipated reimbursements.....	-611,100	-428,200	+182,900
Reprogramming from prior year budget plans.....	0	0	0
Unobligated balance available from prior year to finance new budget plans.....	0	0	0
Unobligated balance transferred from other accounts.....	0	-198,200	-198,200
Add:			
Unobligated balance transferred to other accounts.....	0	0	0
Unobligated balance lapsing.....	0	+198,200	+198,200
Unobligated balance available to finance subsequent year budget plans.....			
BUDGET AUTHORITY	\$5,030,685	\$4,698,546	\$-332,139
Budget Authority			
Appropriation.....	5,030,685	4,551,946	-478,739
Transferred from other accounts.....	0	0	0
Reduction pursuant to P.L. 97-377.....	0	- 37,100	- 37,100
Transferred to other accounts.....	0	- 14,500	- 14,500
Appropriation (adjusted).....	5,030,685	4,500,346	-530,339
Reappropriation.....		198,200	+198,200

3-28 January 1983

**COMPARISON OF FY 1982 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1983 BUDGET WITH
FY 1982 PROGRAM REQUIREMENTS AS SHOWN IN FY 1984 BUDGET**

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation:	Total Program Requirements Per FY 83 Budget	Program Requirements Per FY 1984 Budget	Increase (+) or Decrease (-)
Procurement of Weapons & Tracked Combat Vehicles			
Activity 1 - Tracked Combat Vehicles.....	3,341,285	3,078,640	-262,660
Activity 2 - Weapons and Other Combat Vehicles.....	661,015	667,168	+ 6,168
	<u>4,002,300</u>	<u>3,745,808</u>	<u>-256,492</u>

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles: A net decrease of \$262.7 million resulted from Congressional disapproval of an FY82 inflation reprogramming, a Congressionally directed transfer of \$131.2 million from FY82 to FY83 for the M1 Tank program, and below threshold reprogrammings.

<u>Item</u>	<u>Net Change (in Thousands)</u>
Bradley Fighting Vehicle System (BFVS).....	- 10,600
Bradley Fighting Vehicle System (BFVS) Advance Procurement.....	- 800
M88A1 Recovery Vehicle.....	- 16,100
Tank, Combat, FT, 105mm Gun, M1 Abrams.....	- 85,975
Tank, Combat, FT, 105mm Gun, M1 Abrams Advance Procurement.....	- 2,785
M1 Training Devices.....	+ 7,000
Carrier MOD Roll.....	+ 8,700
Improved TOW Vehicle (MOD).....	+ 2,700
M110 8" Howitzer (MOD).....	- 4,700
M1 Tank Surge Capability.....	-126,000
Tank, Combat, FT, 105mm Gun, M60 Series (MOD).....	- 9,700
Spares and Repair Parts (TCV).....	- 18,700
Production Base Support (TCV).....	- 5,700
Total (Net Change)	-262,660

3-29 January 1983

Activity 2 - Weapons and Other Combat Vehicles: A net increase of \$6.2 million resulted from Congressional disapproval of FY82 inflation reprogramming, Congressional approved reprogramming of \$7.3 million for the M2 Machine Gun, \$5.2 million for the MK 19-3 Automatic 40mm Grenade Launcher, and below threshold reprogrammings.

<u>Item</u>	<u>Net Change (in thousands)</u>
Sgt York DIVAD Gun.....	-3,940
Sgt York DIVAD Gun Advance Procurement.....	- 710
Howitzer, Medium, Towed, 155mm M198.....	-1,388
Armor Machine Gun M240.....	+1,995
M2 Cal. 50 Machine Gun.....	+7,300
Squad Automatic Weapon (SAW).....	-2,488
Automatic 40mm Grenade Launcher MK 19-3.....	+5,200
Smoke Grenade Launcher.....	-1,600
Radar Chronograph M90.....	- 100
Vehicle Rapid Fire Weapons System (VRFWS).....	- 500
Firing Port Weapon - IFV.....	- 200
M26 Tank Muzzle Boresight Device.....	+1,999
Howitzer, Medium, Towed, 155mm M114A2.....	- 100
Spares and Repair Parts (WOCV).....	- 700
I-81mm Mortar, XM252.....	-1,900
Items Less Than \$900,000 (WOCV).....	-2,400
Production Base Support (WOCV).....	+5,700
Total (Net Change)	+6,168

3-30 January 1983

**COMPARISON OF FY 1982 FINANCING AS REFLECTED
IN THE FY 1983 BUDGET WITH FY 1982 FINANCING
AS SHOWN IN FY 1984 BUDGET**

(In Thousands of Dollars)

Appropriation:	Financing Per FY 1983 Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
Procurement of Weapons & Tracked Vehicles			
Program Requirements, (Total).....	\$4,715,900	\$4,812,963	\$+ 97,063
Program Requirements (Service Account).....	(4,002,300)	(3,745,808)	(-256,492)
Program Requirements (Reimbursable).....	(713,600)	(1,067,155)	(353,555)
Less:			
Anticipated reimbursements.....	-713,600	-1,134,763	-421,163
Reprogramming from prior year budget plans.....	0	- 7,300	- 7,300
Unobligated balance available from prior year to finance new budget plans.....	0	0	0
Unobligated balance transferred from other accounts.....	0	0	0
Plus:			
Unobligated balance transferred to other accounts.....	0	0	0
Unobligated balance available to finance sub- sequent year budget plans.....		+ 134,200	+134,200
BUDGET AUTHORITY	\$4,002,300	\$3,805,100	\$-197,200
Budget Authority			
Appropriation.....	3,951,200	3,825,200	-126,000
Transferred from other accounts.....	+51,100	0	-51,100
Transferred to other accounts.....	0	-20,100	-20,100
Appropriation (adjusted).....	\$4,002,300	\$3,805,100	\$ -197,200

3-31 January 1983

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Appendix

Consultants, Studies and Analyses, and Management Support Contracts

Exhibit PB-21, Special Analysis

Narrative Justification

3-32 January 1983

FY 1984
PB-21, SPECIAL ANALYSIS
CONSULTANTS, STUDIES AND ANALYSES
AND MANAGEMENT SUPPORT CONTRACTS
(DOLLARS IN THOUSANDS)

APPROPRIATION: WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

DATE: 1/31/83

	FY 1982	FY 1983	FY 1984
A. EXPERTS AND CONSULTANTS	-	-	-
1. PERSONNEL APPOINTMENTS	-	-	-
A. EXPERTS	-	-	-
B. CONSULTANTS	-	-	-
(1) FEDERAL ADVISORY COMMITTEE MEMBERS	-	-	-
(2) ALL OTHER APPOINTED CONSULTANTS	-	-	-
2. CONTRACT CONSULTANTS	-	-	-
B. CONTRACT STUDIES & ANALYSES	800	-	-
1. CONSULTING SERVICES	-	-	-
2. OTHER	800	-	-
C. PROFESSIONAL AND MANAGEMENT SERVICES BY CONTRACT	-	-	-
1. PROGRAM MANAGEMENT SUPPORT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
2. POLICY REVIEW AND DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
3. SPECIFICATION DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
4. SYSTEMS ENGINEERING	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-

3-33 January 1983

APPROPRIATION: WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

DATE: 1/31/83

	FY 1982	FY 1983	FY 1984
5. TECHNOLOGY SHARING/ UTILIZATION	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
6. LOGISTIC SUPPORT SERVICES	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
7. TECHNICAL DATA COLLECTION	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
8. PUBLIC RELATIONS AND ADVERTISING	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
9. OTHER PROFESSIONAL AND MANAGEMENT SERVICES BY CONTRACT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
D. CONTRACT ENGINEERING TECHNICAL SERVICES (CETS)	<u>862</u>	<u>966</u>	<u>966</u>
1. CONTRACT PLANT SERVICES	-	-	-
2. CONTRACT FIELD SERVICES	862	966	966
3. FIELD SERVICE REPRESENTATIVES	-	-	-
TOTAL	1,662	966	966

3-34 January 1983

APPROPRIATION: WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

DATE: 1/31/83

FY 1982

FY 1983

FY 1984

E. SUMMARY

1. PERSONAL SERVICES CONTRACTS	-	-	-
2. CONTRACT CONSULTING SERVICES	-	-	-
3. OTHER CONTRACT SERVICES	1,662	966	966
4. PERSONNEL APPOINTMENTS	-	-	-
TOTAL	<u>1,662</u>	<u>966</u>	<u>966</u>

3-35 January 1983

Weapons and Tracked Combat Vehicles Procurement, Army
Narrative Justification
Consultants, Studies and Analyses
and Management Support Contracts

Studies and Analyses

- This study will evaluate the current production capacity as it relates to the Bradley Fighting Vehicle System (BFVS) and methods to streamline and improve production to meet wartime mobilization requirements. Failure to conduct this analysis could result in inadequate mobilization plans and possible shortfalls in the Nation's industrial capability to meet the wartime requirements for the BFVS. The multiyear effort is funded in the first year.

FY82
\$800

FY83

FY84

Contract Engineering Technical Services

- Efforts required to support contractor requirements in the production and materiel fielding of the M1 Abrams Tank and the BFVS, essential to complete the fielding of these vehicles. If this level of effort is not provided, deployment of these vehicles will be deferred, which will deny the Army of the use of advanced weapon systems.

FY82
\$862

FY83
\$966

FY84
\$966

3-36 January 1983

ATE
LME
8